RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/791,814A_

Source: _1Fw/6_

Date Processed by STIC: _1/10/06_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 01/10/2006
PATENT APPLICATION: US/10/791,814A   TIME: 14:53:16

Input Set : A:\2005-12-09 2121-0180P.ST25.txt
Output Set: N:\CRF4\01102006\J791814A.raw

```
    3 <110> APPLICANT: GUY, GOROCHOV et al.
    5 <120> TITLE OF INVENTION: METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF
CHEMOKINE VARIANTS
    7 <130> FILE REFERENCE: 2121-0180P
    9 <140> CURRENT APPLICATION NUMBER: US 10/791,814A
   10 <141> CURRENT FILING DATE: 2004-03-04
   12 <150> PRIOR APPLICATION NUMBER: US 09/945,665
   13 <151> PRIOR FILING DATE: 2001-09-05
   15 <150> PRIOR APPLICATION NUMBER: PCT/EP 02/11045
   16 <151> PRIOR FILING DATE: 2002-09-05
   18 <160> NUMBER OF SEQ ID NOS: 40
   20 <170> SOFTWARE: PatentIn version 3.1
   22 <210> SEQ ID NO: 1
   23 <211> LENGTH: 10
   24 <212> TYPE: PRT
   25 <213> ORGANISM: Unknown
   27 <220> FEATURE:
   28 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
   30 <400> SEQUENCE: 1
   32 Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
   33 1               5                   10
   36 <210> SEQ ID NO: 2
   37 <211> LENGTH: 10
   38 <212> TYPE: PRT
   39 <213> ORGANISM: Unknown
   41 <220> FEATURE:
   42 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
   44 <400> SEQUENCE: 2
   46 Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
   47 1               5                   10
   50 <210> SEQ ID NO: 3
   51 <211> LENGTH: 10
   52 <212> TYPE: PRT
   53 <213> ORGANISM: Unknown
   55 <220> FEATURE:
   56 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
   58 <400> SEQUENCE: 3
   60 Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
   61 1               5                   10
   64 <210> SEQ ID NO: 4
   65 <211> LENGTH: 10
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66 <212> TYPE: PRT
67 <213> ORGANISM: Unknown
69 <220> FEATURE:
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```
      70 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
      72 <400> SEQUENCE: 4
      74 Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
      75 1               5                  10
      78 <210> SEQ ID NO: 5
      79 <211> LENGTH: 10
      80 <212> TYPE: PRT
      81 <213> ORGANISM: Unknown
      83 <220> FEATURE:
      84 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
      86 <400> SEQUENCE: 5
      88 Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
      89 1               5                  10
      92 <210> SEQ ID NO: 6
      93 <211> LENGTH: 10
      94 <212> TYPE: PRT
      95 <213> ORGANISM: Unknown
      97 <220> FEATURE:
      98 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
     100 <400> SEQUENCE: 6
     102 Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
     103 1               5                  10
     106 <210> SEQ ID NO: 7
     107 <211> LENGTH: 10
     108 <212> TYPE: PRT
     109 <213> ORGANISM: Unknown
     111 <220> FEATURE:
     112 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
     114 <400> SEQUENCE: 7
     116 Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
     117 1               5                  10
     120 <210> SEQ ID NO: 8
     121 <211> LENGTH: 10
     122 <212> TYPE: PRT
     123 <213> ORGANISM: Unknown
     125 <220> FEATURE:
     126 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
     128 <400> SEQUENCE: 8
     130 Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
     131 1               5                  10
     134 <210> SEQ ID NO: 9
     135 <211> LENGTH: 10
     136 <212> TYPE: PRT
     137 <213> ORGANISM: Unknown
     139 <220> FEATURE:
     140 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
     142 <400> SEQUENCE: 9
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```
144  Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
145  1               5                   10
```

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148 <210> SEQ ID NO: 10
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
156 <400> SEQUENCE: 10
158 Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
159 1               5                   10
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
170 <400> SEQUENCE: 11
172 Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
173 1               5                   10
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
184 <400> SEQUENCE: 12
186 Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
187 1               5                   10
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 10
192 <212> TYPE: PRT
193 <213> ORGANISM: Unknown
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
198 <400> SEQUENCE: 13
200 Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
201 1               5                   10
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Unknown
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
212 <400> SEQUENCE: 14
214 Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
215 1               5                   10
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 10
220 <212> TYPE: PRT
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221 <213> ORGANISM: Unknown

```
    223 <220> FEATURE:
    224 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    226 <400> SEQUENCE: 15
    228 Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala
    229 1               5                   10
    232 <210> SEQ ID NO: 16
    233 <211> LENGTH: 10
    234 <212> TYPE: PRT
    235 <213> ORGANISM: Unknown
    237 <220> FEATURE:
    238 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    240 <400> SEQUENCE: 16
    242 Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
    243 1               5                   10
    246 <210> SEQ ID NO: 17
    247 <211> LENGTH: 10
    248 <212> TYPE: PRT
    249 <213> ORGANISM: Unknown
    251 <220> FEATURE:
    252 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    254 <400> SEQUENCE: 17
    256 Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
    257 1               5                   10
    260 <210> SEQ ID NO: 18
    261 <211> LENGTH: 10
    262 <212> TYPE: PRT
    263 <213> ORGANISM: Unknown
    265 <220> FEATURE:
    266 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
    268 <400> SEQUENCE: 18
    270 Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
    271 1               5                   10
    274 <210> SEQ ID NO: 19
    275 <211> LENGTH: 9
    276 <212> TYPE: PRT
    277 <213> ORGANISM: Artificial sequence
    279 <220> FEATURE:
    280 <223> OTHER INFORMATION: tag HA 1.1 peptide sequence
    283 <400> SEQUENCE: 19
    285 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
    286 1               5
    290 <210> SEQ ID NO: 20
    291 <211> LENGTH: 39
    292 <212> TYPE: DNA
    293 <213> ORGANISM: Artificial sequence
    295 <220> FEATURE:
    296 <223> OTHER INFORMATION: PCR downstream primer
    298 <400> SEQUENCE: 20
    299 tggggcccct ctagacatct ccaaagagtt gatgtactc                         39
```

```
302 <210> SEQ ID NO: 21
303 <211> LENGTH: 99
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR upstream primer
310 <220> FEATURE:
311 <221> NAME/KEY: misc_feature
312 <222> LOCATION: (25)..(26)
313 <223> OTHER INFORMATION: n is a, c, g, or t
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <222> LOCATION: (31)..(31)
318 <223> OTHER INFORMATION: n is a, c, g, or t
320 <220> FEATURE:
321 <221> NAME/KEY: misc_feature
322 <222> LOCATION: (34)..(35)
323 <223> OTHER INFORMATION: n is a, c, g, or t
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (43)..(44)
328 <223> OTHER INFORMATION: n is a, c, g, or t
330 <220> FEATURE:
331 <221> NAME/KEY: misc_feature
332 <222> LOCATION: (46)..(46)
333 <223> OTHER INFORMATION: n is a, c, g, or t
335 <220> FEATURE:
336 <221> NAME/KEY: misc_feature
337 <222> LOCATION: (49)..(49)
338 <223> OTHER INFORMATION: n is a, c, g, or t
340 <220> FEATURE:
341 <221> NAME/KEY: misc_feature
342 <222> LOCATION: (52)..(52)
343 <223> OTHER INFORMATION: n is a, c, g, or t
345 <400> SEQUENCE: 21
W--> 346 ctcgcggccc agccggccat ggccnnktcc ncannktcct cgnnknccnc ancctgctgc     60
348 tttgcctaca ttgcgcggcc gctgccccgt gcccacatc                           99
352 <210> SEQ ID NO: 22
353 <211> LENGTH: 10
354 <212> TYPE: PRT
355 <213> ORGANISM: Unknown
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
360 <400> SEQUENCE: 22
362 Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
363 1               5                   10
366 <210> SEQ ID NO: 23
367 <211> LENGTH: 10
368 <212> TYPE: PRT
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 25,26,31,34,35,43,44,46,49,52
Seq#:24; Xaa Pos. 1,3,4,8,9,10
Seq#:25; Xaa Pos. 4
Seq#:26; Xaa Pos. 8
Seq#:28; Xaa Pos. 1,3,4,7,8,9,10
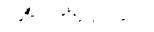Seq#:29; Xaa Pos. 4
Seq#:37; Xaa Pos. 7
Seq#:38; Xaa Pos. 10
Seq#:39; Xaa Pos. 1,4,8,9,10

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28
Seq#:2; Line(s) 42
Seq#:3; Line(s) 56
Seq#:4; Line(s) 70
Seq#:5; Line(s) 84
Seq#:6; Line(s) 98
Seq#:7; Line(s) 112
Seq#:8; Line(s) 126
Seq#:9; Line(s) 140
Seq#:10; Line(s) 154
Seq#:11; Line(s) 168
Seq#:12; Line(s) 182
Seq#:13; Line(s) 196
Seq#:14; Line(s) 210
Seq#:15; Line(s) 224
Seq#:16; Line(s) 238
Seq#:17; Line(s) 252
Seq#:18; Line(s) 266
Seq#:22; Line(s) 358
Seq#:23; Line(s) 372

VERIFICATION SUMMARY   DATE: 01/10/2006
PATENT APPLICATION: **US/10/791,814A**   TIME: 14:53:17

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```
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
```